

Recovery Plan Action Status

Plan Name: Recovery Plan Puerto Rican Endangered Ferns (7spp)

Plan Status: Final

Plan Date: 17-Jan-95

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

(487)

851-7297)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	1	111	Obtain protective status for the privately owned population sites	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Acquisition: Easement	Internal Administrative	Cost cannot be determined at present due to the possibility of conservation easements or landowner agreements
No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	1	121	Monitor known populations	Partially Complete	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural and Environmental Resources	Research: Population Surveys	Graduate Student	This work has only been performed for Adiantum vivessi.

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No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	2	123	Educate the public conservation values and regulations pertaining to endangered species	Ongoing Current	FY 1995 - FY 1999	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural and Environmental Resources	Acquisition: Exchange	Internal Field Assistance	No cost anticipated

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No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	2	212	Characterize sites to determine their suitability as future recovery sites	Not Started			Conservation Organizations, U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Research: Management Techniques	Contract, Graduate Student	No cost anticipated

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No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	2	312	Assess periodicity of spore production and dispersion	Partially Complete	FY 1995 - FY 1999	FY 2011	Conservation Organizations, U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Research: Demographic Studies	Graduate Student, Species Expert	10K/yr includes 312, 313 and 314 This work has only been performed for Adiantum vivesii.

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No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	2	313	Assess spore viability and germination requirements	Partially Complete	FY 1995 - FY 1999	FY 2011	Conservation Organizations, U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Research: Demographic Studies	Graduate Student, Species Expert	This work has only been performed for Adiantum vivesii.
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No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	2	332	Develop artificial propagation program	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Management: Propagation	Contract, Species Expert	

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No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	2	412	Assure site protection	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Acquisition: Easement	Internal Administrative	Task duration: 2-4 years. No cost anticipated

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No common name (Elaphoglossum serpens), No common name (Tectaria estremerana), No common name (Polystichum calderonense), No common name (Thelypteris inabonensis), No common name (Thelypteris verecunda), No common name (Thelypteris yaucoensis), No common name (Adiantum vivesii)	2	51	Determine numbers of individuals and populations necessary to ensure species stability, security, and self-perpetuation	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4	Research: Demographic Studies	Graduate Student, Internal Technical Assistance	No cost anticipated

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